
NATIONAL SCIENCE ADVISORY BOARD FOR BIOSECURITY

National Institutes of Health
Bldg. 31, 6C, Room 6
Bethesda, MD



October 22, 2014

MEETING AGENDA

8:15 – 9:05 am Welcome and Introductions

8:15 – 8:20 am

Opening Remarks

Samuel L. Stanley, M.D.

NSABB Chair

President, Stony Brook University

8:20 – 9:00 am

Introduction of NSABB Voting and *Ex Officio* Members

Mary E. Groesch, Ph.D.

Executive Director, NSABB

Senior Policy Advisor, Program on Biosecurity and Biosafety Policy, Office of the Director, National Institutes of Health

Lawrence A. Tabak, D.D.S., Ph.D.

Principal Deputy Director

National Institutes of Health

- Presentation of certificates

9:00 – 9:05 am

Review of Conflict of Interest Rules

Mary E. Groesch, Ph.D.

9:05 – 10:15 am Policy Update and Charge to NSABB

9:05 – 9:45 am

U.S. Government Policy Regarding Oversight of Dual Use Research of Concern: A Review of the Changing Policy Landscape

Andrew M. Hebbeler, Ph.D.

Assistant Director for Biological and Chemical Threats

Office of Science and Technology Policy, Executive Office of the President

9:45 – 10:00 am

Presentation of the Charge to the NSABB

Nicole Lurie, M.D., M.S.P.H.

Assistant Secretary for Preparedness and Response

U.S. Department of Health and Human Services

10:00 – 10:15 am

Break

10:15 –2:00 pm

Session 1: Benefits, Risks, and Ethical Considerations Associated with Gain-of-Function Studies Involving Pathogens with Pandemic Potential

10:15 –12:15 pm

Presenters

Gain-of-Function Studies: Their History, Their Utility, and What they Can Tell Us

Paul Duprex, Ph.D.

Associate Professor of Microbiology, and Director of Cell and Tissue Imaging, NEIDL Institute

Boston University

Risks and Alternatives to Gain-of-Function Studies

Marc Lipsitch, Ph.D.

Professor of Epidemiology

Harvard School of Public Health

The Ethics of Gain-of-Function Studies: Considering Risks and Benefits in the Context of Uncertainty

David B. Resnik, J.D., Ph.D.

Bioethicist and IRB Chair

National Institute of Environmental Health Sciences

Discussants

W. Ian Lipkin, M.D.

John Snow Professor of Epidemiology, Professor of Neurology and Pathology, and Director of the Center for Infection and Immunity

Columbia University

Yoshi Kawaoka, D.V.M., Ph.D.

Professor of Virology

University of Wisconsin- Madison

Michael Osterholm, Ph.D., M.P.H.

McKnight Presidential Chair of Public Health, Director of the Center for Infectious Disease Research and Policy (CIDRAP), Professor of Environmental Health Sciences, School of Public Health

University of Minnesota

*Janet Peterson, CBSP
Senior Biosafety Officer
University of Maryland*

*Stacey Schultz-Cherry, Ph.D.
Member
St. Jude Children's Research Hospital*

*Bill Sheridan, M.B., B.S.
Senior Vice President and Chief Medical Officer
BioCryst Pharmaceuticals Inc.*

*Daniel Perez, Ph.D.
Professor of Virology
University of Maryland*

*Tom Inglesby M.D.
CEO and Director, UPMC Center for Health Security
Associate Professor of Medicine and Public Health, University of Pittsburgh*

*Arturo Casadevall, M.D. Ph.D.
Leo and Julia Forchheimer Chair in Microbiology & Immunology, Director of the Center
for Immunological Sciences, Chair of the Department of Microbiology
Albert Einstein College of Medicine*

Discussion Session with Presenters, Discussants and NSABB Members

12:15 – 12:35 pm

Break

12:35 – 1:45 pm

Discussion Session with Presenters, Discussants and NSABB Members (Working Lunch)

1:45 – 2:00 pm

Public Comment Period

2:00 – 3:30 pm

Session 2: Biological Risk Assessments: Their Strengths and Limitations

2:00 – 3:15 pm

Presenters

Modeling and Biological Risk Assessments

*Stephen Eubank, Ph.D.
Deputy Director of the Network Dynamics and Simulation Science Laboratory at the
Virginia Bioinformatics Institute, and Professor, Department of Population Health
Sciences
Virginia Tech*

Uncertainty: Quality Assurance for Probabilistic Risk Assessment

*Scott Ferson, Ph.D.
Senior Scientist
Applied Biomathematics, New York*

Behavioral Realism in Risk Management

Baruch Fischhoff, Ph.D.

*Howard Heinz University Professor, and Professor of Social and Decision Sciences /
Engineering and Public Policy
Carnegie Mellon University*

Discussion Session with Presenters and NSABB Members

3:15 – 3:30 pm **Public Comment Period**

3:30 – 4:00 pm Path Forward to Address NSABB Charge

3:30 – 3:55 pm **NSABB Discussion**
Samuel L. Stanley, M.D.

3:55 – 4:00 pm **Closing Remarks**
Samuel L. Stanley, M.D.

4:00 pm **Adjourn**